

# PATENT ABSTRACTS OF JAPAN

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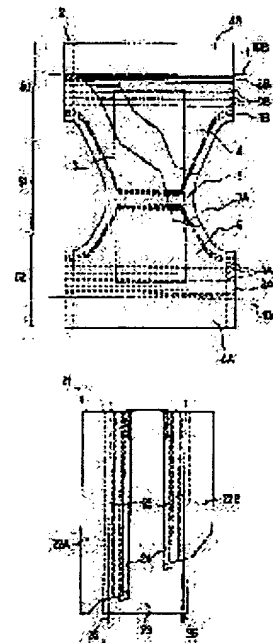
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## (54) ABSORPTIVE ARTICLES AND THEIR PRODUCTION

### (57)Abstract:

PURPOSE: To deal with high-speed production and to improve product performance by constituting the absorptive articles in such a manner that the shrinkage force of elastic members is supported by the rigidity of the absorber thereof.

CONSTITUTION: An absorptive body 3 is composed of the absorber 20 and a top sheet member 21 for wrapping the absorber 20 in its transverse direction. Both ends in the longitudinal direction of this absorptive body 3 are covered by at least extension parts 4A, 4B subjected to a water repelling treatment of an outer layer part 2. As a result, both ends of the absorptive body 3 and the outer layer part 2 are integrated. On the other hand, a top sheet member 21 is arranged with a central non-woven fabric 23 in the transverse central part over the entire length in its longitudinal direction and is joined with water-repellent side non-woven fabrics 22A, 22B on both sides. The length of the top sheet member 21 is set equal to the length of the absorber 20 or slightly longer than this length and its width is set larger than the width of the absorber 20 and  $\leq 3$  times. As a result, the opening parts of the shorts type diaper is easily made elastic over the entire periphery thereof and the easy arrangement of stereoscopic barrier cuffs is possible.



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